Safety-Kleen Systems, Inc. Hebron Recycle Center Federal Equipment Leaks Standard Monitoring Report

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MSA / PID Performance Evaluation

Instrument:

MSA Passport PID II Organic Vapor Monitor, S/N: PPII 00914

Calibration Precision: Per Method 21, section 4.4.1 (do every 3 months, per Method 21, 4.4.2, must be <10%))
Response Time: Per Method 21, 4.4.3. (repeat when pump or flow configuration may be changed, must be <30 sec.)

DATE OF PERFORMANCE EVALUATION	PRINT NAME	SIGNATURE	RESULTS
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PLEASE KEEP CALIBRATION LOG WITH THE YEARS MONITORING REPORTS.

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Calibration Precision:

- 1. Calibrate instrument with calibration gas.
- 2. Start instrument.
- 3. When instrument reads less than 1 ppm, introduce calibration gas.
- 4. Take reading when reading is stabilized (about 90 secs.)
- 5. Disconnect calibration gas, and allow reading return to near zero.
- 6. Repeat 3, 4, and 5 two more times.
- 7. Add the 3 readings and deduct from 3x the value of calibration gas.
- 8. Divide this difference by 3, and the value of the calibration gas, and multiply by 100%
- 9. Result must be less than or equal to 10%.
- 10. Report on log sheet.

Example: Cal. gas = 100 ppm. 1st reading = 99.8 ppm, 2nd reading = 99.0 ppm, 3rd reading = 100.1 ppm.

Response Time:

- 1. Calibrate instrument with calibration gas.
- 2. Start instrument.
- 3. When instrument reads less than 1 ppm, introduce calibration gas.
- 4. As soon as calibration gas starts to flow in flow indicator on regulator, start timing.
- 5. Watch meter reading. When reading is 90% of calibration gas value, note time elapsed.
- 6. Disconnect calibration gas, and allow reading return to near zero.
- 7. Repeat 4, 5, and 6 two more times.
- 8. Average the three times. Must be 30 seconds or less.
- 9. Report on log sheet.

Example:

Sample Gas = 100 ppm. Measure time from reading at \sim 0 ppm to 90 ppm. 1st reading = 27.3 seconds, 2nd reading = 26.4 seconds, 3rd reading = 28.0 seconds

Response Time = (27.3 + 26.4 + 28.0) / 3 = 27.2 seconds